



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-services

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1 Canada

Submitted By: Bill Mann
Receiving Lab: Canada-Whitehorse
Received: August 03, 2023
Analysis Start: August 16, 2023
Report Date: August 24, 2023
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CERTIFICATE OF ANALYSIS

WHI23000281.1

CLIENT JOB INFORMATION

Project: FAB
Shipment ID:
P.O. Number
Number of Samples: 21

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	21	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	21	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	21	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
PICKUP-RJT Client to Pickup Rejects

ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: **Bill Mann**
19 Hayes Cres.
Whitehorse Yukon Y1A 0E1
Canada

CC:


JEFFREY CANNON
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
26151	Rock	1.96	0.9	1011.9	5.6	981	4.8	13.5	4.0	2618	38.26	3289.8	2.0	9.1	1.2	70	9.0	2.6	0.9	17	0.19
26152	Rock	0.70	0.6	912.3	12.8	786	5.0	15.5	4.0	1562	33.95	1615.5	4.4	11.5	1.1	25	4.2	1.3	6.4	26	0.13
26153	Rock	1.02	4.6	708.3	229.7	277	3.5	6.9	1.4	402	9.54	666.4	3.9	60.9	11.1	6	2.5	1.3	88.4	34	0.06
26154	Rock	1.71	4.1	1508.2	79.3	843	17.7	15.3	24.1	1763	26.57	3813.7	3.6	398.6	4.6	81	10.3	4.5	62.6	40	0.18
26155	Rock	0.68	3.4	>10000	90.2	5180	99.1	50.5	8.0	3674	2.95	98.1	9.9	59.8	0.8	51	72.9	9.0	36.7	35	1.01
26156	Rock	0.48	0.5	34.7	10.3	865	0.8	32.0	1.8	704	0.70	5.2	1.1	0.9	1.7	218	18.1	0.6	1.1	18	6.40
26157	Rock	0.54	1.2	62.3	7.5	534	1.3	21.7	1.4	501	0.45	3.5	1.1	0.7	1.7	179	27.0	0.4	0.9	9	9.21
26158	Rock	0.61	0.6	70.6	9.6	421	2.1	35.1	4.0	364	1.69	18.8	1.2	0.9	3.7	49	22.2	1.1	1.0	27	0.66
26159	Rock	0.56	1.4	33.7	8.1	403	0.7	17.2	2.0	335	1.47	8.6	0.7	0.6	2.0	208	3.9	0.6	1.0	12	0.97
26160	Rock	0.73	2.2	40.9	55.3	141	0.6	25.0	7.5	275	2.19	69.9	1.2	1.9	1.8	10	0.8	2.5	0.9	26	0.04
26161	Rock	0.65	15.6	1968.2	4078.8	2233	1.4	105.9	19.8	639	20.78	2160.1	8.6	4.1	2.2	24	31.7	27.2	73.4	321	0.07
26162	Rock	0.72	1.3	94.4	260.2	152	0.4	12.8	1.7	71	1.42	80.9	1.0	0.6	0.8	5	1.0	2.4	2.2	19	0.02
26163	Rock	0.85	1.7	35.2	21.4	205	0.7	26.1	2.7	1511	0.90	24.5	3.4	1.0	2.1	607	9.1	4.1	2.7	51	10.56
26164	Rock	0.87	1.2	33.2	13.4	309	0.8	32.9	2.2	2084	0.67	72.7	1.8	1.1	2.0	387	3.3	1.7	0.5	29	7.17
26165	Rock	0.53	0.6	159.0	10.8	1483	1.5	25.5	3.1	615	0.88	8.1	1.5	2.0	2.5	17	8.1	0.4	0.6	15	0.21
26166	Rock	0.72	0.4	58.6	8.8	478	1.9	8.9	0.6	536	0.56	2.0	0.1	2.0	0.2	12	1.8	0.2	4.4	3	0.22
26167	Rock	0.79	1.1	200.2	11.9	1135	2.0	29.1	1.7	580	1.00	11.7	1.5	2.9	1.3	21	4.2	0.3	2.9	12	0.40
26168	Rock	1.02	0.6	160.4	8.3	931	1.3	28.9	1.6	1210	1.38	10.8	1.5	3.8	1.2	10	6.0	0.3	1.9	11	0.22
26169	Rock	0.49	1.2	1207.6	19.8	894	1.3	33.5	1.9	367	1.48	14.3	8.9	14.3	6.3	157	9.3	1.1	2.9	60	1.62
26170	Rock	0.47	0.6	570.8	39.0	696	1.5	17.7	1.9	840	1.11	7.9	3.4	11.7	2.7	106	7.0	0.6	13.3	23	1.27
26171	Rock	0.63	1.3	24.4	56.1	14	<0.1	2.8	0.3	56	1.00	15.6	0.4	<0.5	0.9	3	<0.1	0.8	<0.1	8	<0.01



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CERTIFICATE OF ANALYSIS

WHI23000281.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
26151	Rock	0.401	8	13	0.03	1145	<0.001	<1	0.37	0.005	0.05	28.9	<0.01	1.0	0.1	0.09	3	0.7	<0.2	
26152	Rock	0.211	8	16	0.02	1327	<0.001	<1	0.51	0.003	0.03	2.5	<0.01	1.0	0.6	0.06	7	1.2	<0.2	
26153	Rock	0.078	11	28	0.02	426	0.001	<1	0.91	0.002	0.30	1.8	0.01	2.3	0.3	<0.05	5	24.2	6.0	
26154	Rock	0.288	17	34	0.03	339	0.014	<1	0.66	0.008	0.25	74.5	<0.01	1.7	1.7	0.38	13	17.7	11.4	
26155	Rock	0.406	8	29	0.10	112	0.002	<1	0.25	0.001	0.04	2.0	0.06	3.6	4.1	<0.05	<1	52.1	5.7	
26156	Rock	0.146	7	24	0.70	205	0.048	<1	0.75	0.040	0.07	0.4	<0.01	1.5	0.1	<0.05	2	<0.5	<0.2	
26157	Rock	0.137	7	17	0.57	105	0.045	1	0.57	0.051	0.07	0.2	<0.01	1.1	0.1	<0.05	1	<0.5	<0.2	
26158	Rock	0.208	13	24	0.24	193	0.015	<1	1.03	0.009	0.11	0.3	<0.01	2.3	0.3	<0.05	3	0.9	<0.2	
26159	Rock	0.129	6	18	0.26	498	0.037	<1	1.30	0.041	0.06	0.4	<0.01	0.8	0.3	<0.05	3	1.1	<0.2	
26160	Rock	0.044	8	24	0.06	71	0.005	<1	0.67	0.003	0.06	0.6	0.01	2.6	0.2	<0.05	1	<0.5	<0.2	
26161	Rock	0.279	12	88	0.06	135	0.005	<1	0.79	0.001	0.04	1.8	0.05	3.7	0.3	<0.05	4	40.6	0.8	
26162	Rock	0.027	4	13	0.02	30	0.001	<1	0.23	0.001	0.03	0.5	<0.01	1.1	<0.1	<0.05	<1	0.5	<0.2	
26163	Rock	0.227	10	35	0.21	201	0.046	5	0.78	0.012	0.04	1.0	<0.01	1.3	<0.1	<0.05	2	0.7	0.2	
26164	Rock	0.196	8	35	0.28	168	0.045	1	0.50	0.014	0.09	0.5	<0.01	1.9	<0.1	<0.05	1	<0.5	<0.2	
26165	Rock	0.029	8	35	0.06	158	0.037	<1	0.70	0.004	0.07	<0.1	<0.01	2.8	<0.1	<0.05	2	<0.5	<0.2	
26166	Rock	0.067	2	10	0.04	99	0.006	<1	0.19	0.006	0.02	0.2	<0.01	0.3	<0.1	<0.05	<1	<0.5	0.3	
26167	Rock	0.089	3	32	0.11	162	0.048	<1	0.77	0.011	0.05	0.4	<0.01	1.0	<0.1	<0.05	2	<0.5	0.2	
26168	Rock	0.059	4	24	0.06	225	0.040	<1	0.73	0.004	0.04	0.2	<0.01	1.0	0.2	<0.05	2	<0.5	<0.2	
26169	Rock	0.681	22	305	0.05	449	0.066	<1	0.90	0.005	0.08	0.2	<0.01	7.4	<0.1	<0.05	4	<0.5	0.3	
26170	Rock	0.436	13	80	0.18	378	0.050	<1	0.67	0.006	0.09	0.3	<0.01	3.1	0.1	<0.05	2	<0.5	0.5	
26171	Rock	0.019	4	11	0.07	61	<0.001	<1	0.20	<0.001	0.07	<0.1	<0.01	0.7	<0.1	<0.05	<1	0.9	<0.2	



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QUALITY CONTROL REPORT

WHI23000281.1

Method	Analyte	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01
Pulp Duplicates																					
26161	Rock	0.65	15.6	1968.2	4078.8	2233	1.4	105.9	19.8	639	20.78	2160.1	8.6	4.1	2.2	24	31.7	27.2	73.4	321	0.07
REP 26161	QC		16.4	2004.1	4153.1	2285	1.4	106.6	20.1	645	21.36	2233.9	8.3	4.3	2.1	23	31.6	30.3	72.4	324	0.07
Core Reject Duplicates																					
26155	Rock	0.68	3.4	>10000	90.2	5180	99.1	50.5	8.0	3674	2.95	98.1	9.9	59.8	0.8	51	72.9	9.0	36.7	35	1.01
DUP 26155	QC		3.3	>10000	91.6	5201	>100	51.5	8.2	3683	2.96	98.8	10.1	65.2	0.8	50	73.2	8.9	37.4	35	0.99
Reference Materials																					
STD BVGEO01	Standard		9.4	4275.6	166.0	1706	2.3	163.6	24.0	716	3.53	116.8	3.2	192.4	12.5	52	5.4	2.4	21.5	73	1.27
STD OREAS262	Standard		0.6	113.2	52.7	153	0.4	63.7	28.2	533	3.18	35.1	1.1	53.2	8.8	33	0.6	3.6	0.9	22	2.86
STD BVGEO01 Expected			11.2	4415	187	1712	2.53	163	25	706	3.7	121	3.67	214	14.4	55	6.25	3.39	24.3	73	1.3219
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		2.0	3.7	0.9	28	<0.1	2.1	3.9	469	1.76	0.9	0.4	<0.5	2.3	25	<0.1	<0.1	<0.1	23	0.68
ROCK-WHI	Prep Blank		1.5	2.6	0.9	29	<0.1	2.0	3.7	479	1.76	0.7	0.4	<0.5	2.2	23	<0.1	<0.1	<0.1	22	0.66



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Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
26161	Rock	0.279	12	88	0.06	135	0.005	<1	0.79	0.001	0.04	1.8	0.05	3.7	0.3	<0.05	4	40.6	0.8
REP 26161	QC	0.274	12	92	0.06	136	0.006	<1	0.81	0.001	0.04	1.9	0.04	3.8	0.3	<0.05	4	45.7	0.8
Core Reject Duplicates																			
26155	Rock	0.406	8	29	0.10	112	0.002	<1	0.25	0.001	0.04	2.0	0.06	3.6	4.1	<0.05	<1	52.1	5.7
DUP 26155	QC	0.411	8	28	0.10	116	0.002	<1	0.25	0.001	0.04	2.0	0.05	3.5	4.1	<0.05	<1	52.2	5.9
Reference Materials																			
STD BVGEO01	Standard	0.069	24	191	1.31	203	0.237	3	2.32	0.200	0.88	3.9	0.09	6.0	0.6	0.68	7	4.8	1.0
STD OREAS262	Standard	0.037	18	44	1.17	236	0.003	4	1.35	0.069	0.32	0.2	0.16	3.1	0.4	0.27	4	0.6	<0.2
STD BVGEO01 Expected		0.0727	25.9	187	1.3175	260	0.233	3.8	2.2628	0.1924	0.8669	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	4.1	0.4	0.23
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
ROCK-WHI	Prep Blank	0.037	7	9	0.46	59	0.079	1	0.93	0.099	0.09	0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
ROCK-WHI	Prep Blank	0.037	7	7	0.47	54	0.080	1	0.94	0.100	0.09	0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2